

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011217\
 Data File : BF092237.D
 Acq On : 13 Jan 2017 6:12
 Operator : UM/SJ
 Sample : I1146-02
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P-17-11117

Manual Integrations
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Sohil
 1/13/2017 11:07:23 AM

Quant Time: Jan 13 10:22:51 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	161564	20.00	ng	-0.05
21) Naphthalene-d8	7.90	136	457144	20.00	ng	-0.03
38) Acenaphthene-d10	9.65	164	227725	20.00	ng	-0.03
63) Phenanthrene-d10	11.11	188	404366	20.00	ng	-0.05
75) Chrysene-d12	13.74	240	323231	20.00	ng	-0.05
86) Perylene-d12	15.10	264	325019	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	1307237	135.10	ng	-0.05
7) Phenol-d6	6.26	99	1592647	134.82	ng	-0.05
23) Nitrobenzene-d5	7.17	82	922745	112.24	ng	-0.05
41) 2,4,6-Tribromophenol	10.42	330	242567	128.71	ng	-0.05
44) 2-Fluorobiphenyl	8.97	172	1118094	103.39	ng	-0.03
78) Terphenyl-d14	12.70	244	965607	72.45	ng	-0.05
Target Compounds						
10) Phenol	6.28	94	109552	8.14	ng	# 72
31) Naphthalene	7.91	128	177967	8.51	ng	# 80
37) 2-Methylnaphthalene	8.62	142	140848	8.33	ng	# 95
48) Acenaphthylene	9.51	152	187230	9.86	ng	# 81
49) Dimethylphthalate	9.37	163	222871	15.30	ng	# 92
51) Acenaphthene	9.67	154	116662	9.06	ng	90
54) Dibenzofuran	9.84	168	134613	7.74	ng	# 67
57) Fluorene	10.18	166	228660	18.08	ng	# 96
70) Phenanthrene	11.13	178	945895	43.14	ng	98
71) Anthracene	11.18	178	302476	12.13	ng	98
72) Carbazole	11.35	167	293712	12.35	ng	97
74) Fluoranthene	12.32	202	1046429	55.27	ng	91
77) Pvrene	12.54	202	1406471	59.31	ng	98
80) Benzo(a)anthracene	13.73	228	881293	48.30	ng	93
82) Chrysene	13.76	228	647195	35.36	ng	96
85) Indeno(1,2,3-cd)pyrene	16.36	276	307292	19.38	ng	# 91
87) Benzo(b)fluoranthene	14.73	252	760827m	37.60	ng	
88) Benzo(k)fluoranthene	14.75	252	348591m	20.20	ng	
89) Benzo(a)pvrene	15.05	252	782524	43.57	ng	98
90) Dibenzo(a,h)anthracene	16.36	278	104528	7.08	ng	95
91) Benzo(g,h,i)perylene	16.72	276	311260	20.28	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

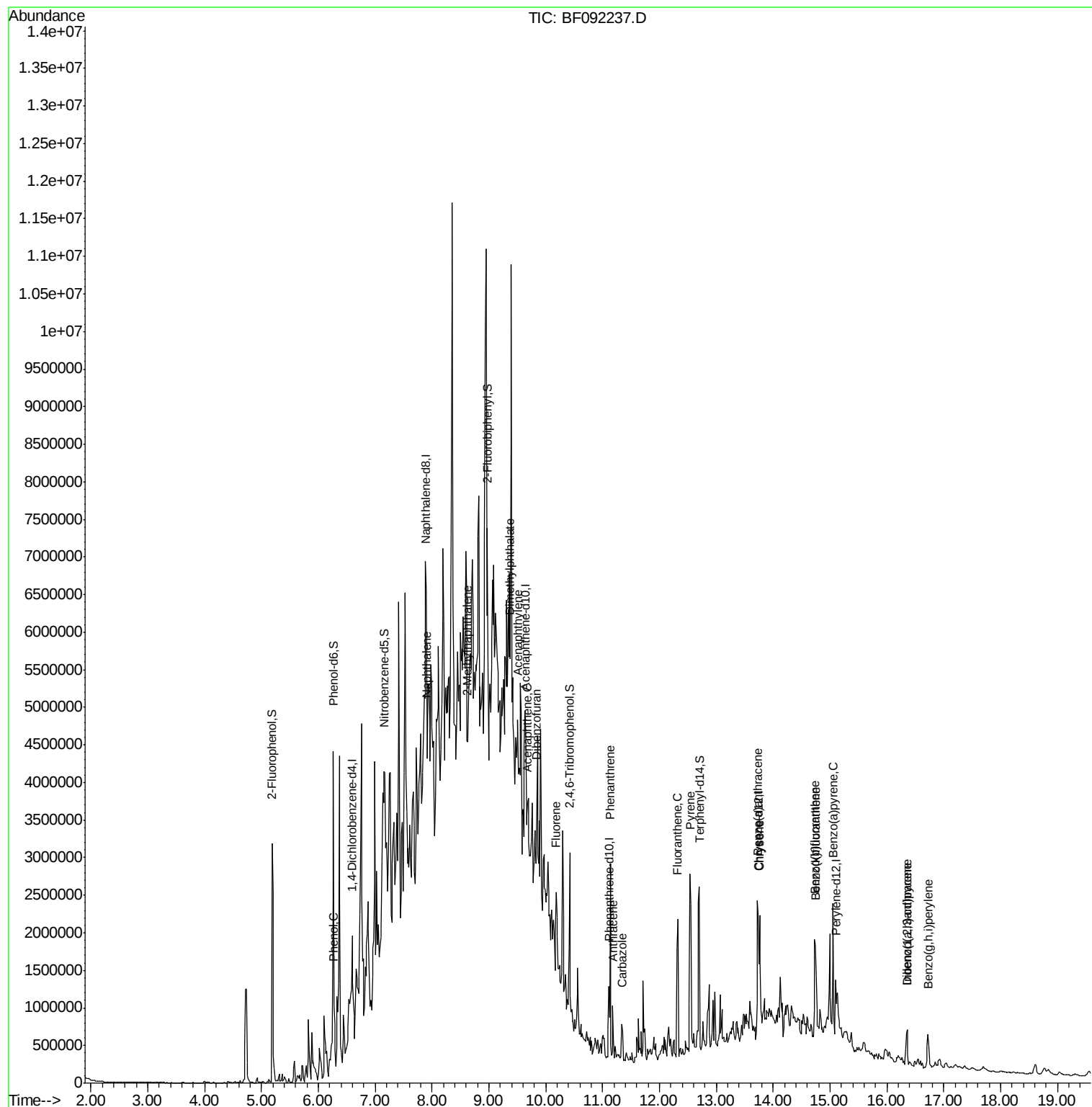
Data Path : Z:\HPCHEM1\BNA F\DATA\BF011217\
Data File : BF092237.D
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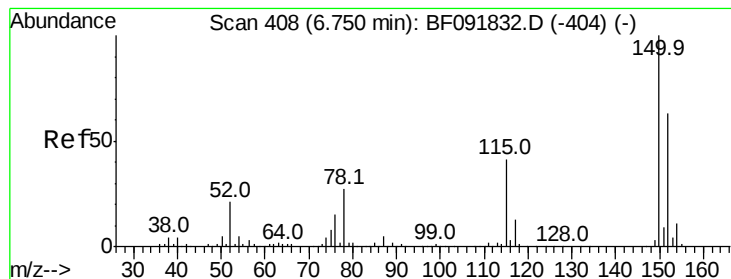
Instrument :
BNA_F
ClientSampleId :
P-17-11117

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Quant Time: Jan 13 10:22:51 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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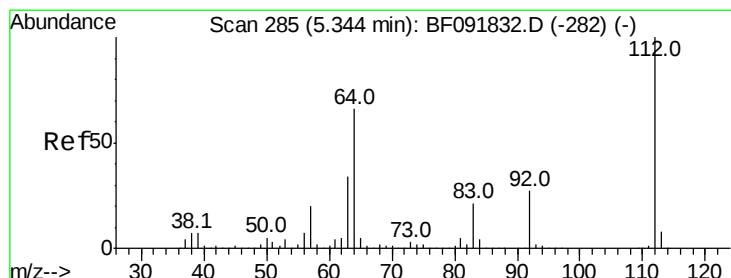
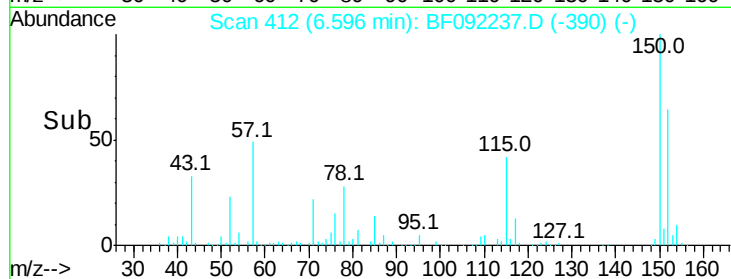
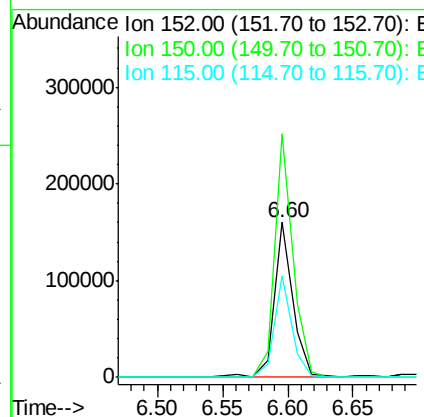
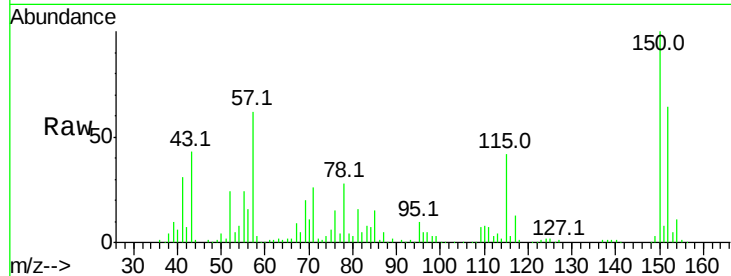
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.60 min Scan# 412
 Delta R.T. -0.05 min
 Lab File: BF092237.D
 Acq: 13 Jan 2017 6:12

Instrument :
 BNA_F
 ClientSampleId :
 P-17-11117

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.9	187.3
115	65.6	46.0	69.0

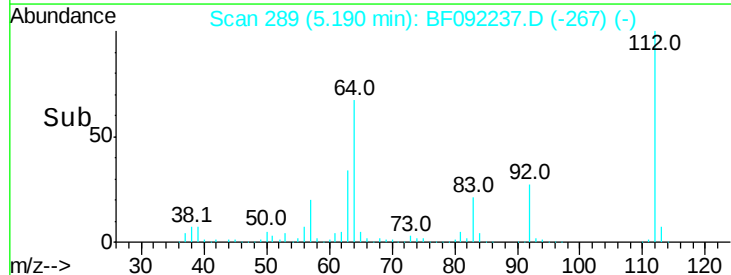
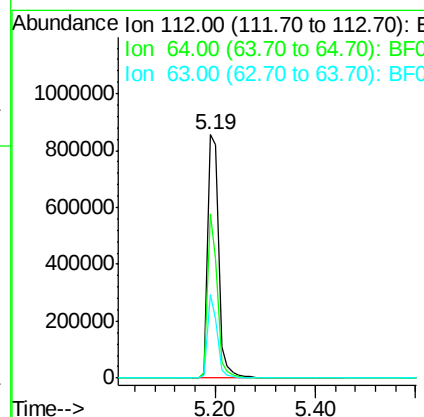
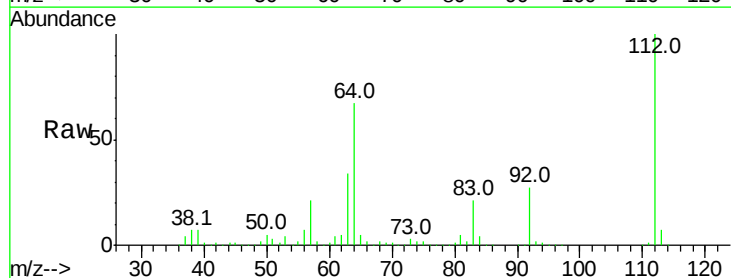
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#5
 2-Fluorophenol
 Concen: 135.10 ng
 RT: 5.19 min Scan# 289
 Delta R.T. -0.05 min
 Lab File: BF092237.D
 Acq: 13 Jan 2017 6:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.4	46.1	69.1
63	34.3	23.8	35.6





#7

Phenol-d6

Concen: 134.82 ng

RT: 6.26 min Scan# 383

Delta R.T. -0.05 min

Lab File: BF092237.D

Acq: 13 Jan 2017 6:12

Instrument :

BNA_F

ClientSampleId :

P-17-11117

Tot Ion: 99 Resp: 1592647

Ion Ratio Lower Upper

99 100

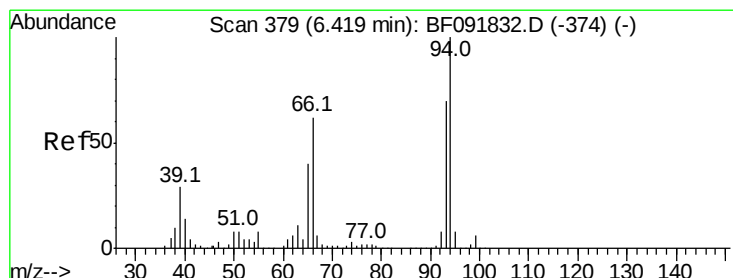
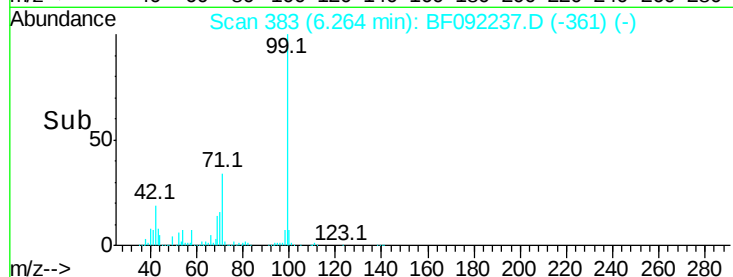
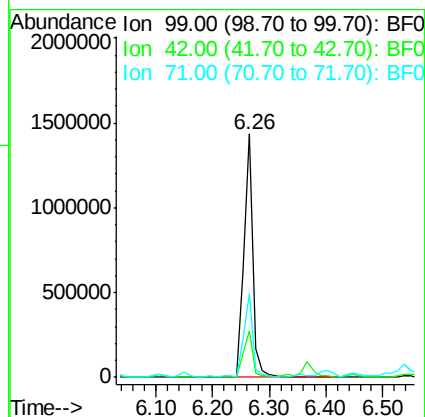
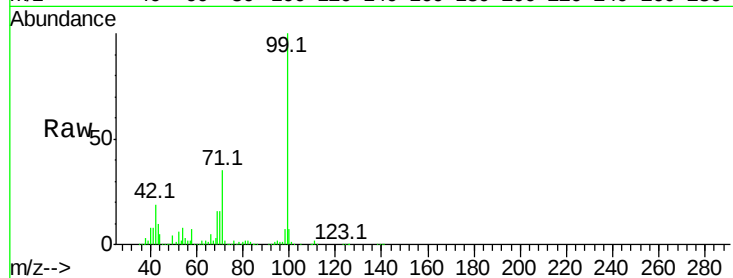
42 19.2 15.6 23.4

71 34.5 27.5 41.3

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#10

Phenol

Concen: 8.14 ng

RT: 6.28 min Scan# 384

Delta R.T. -0.05 min

Lab File: BF092237.D

Acq: 13 Jan 2017 6:12

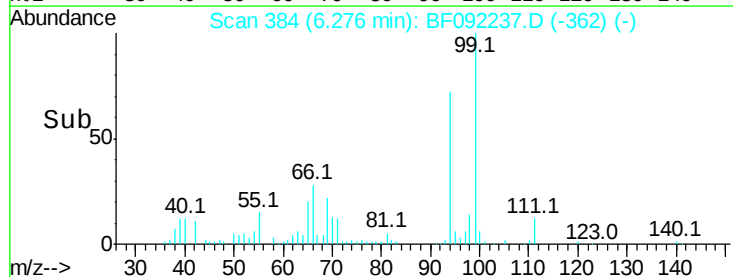
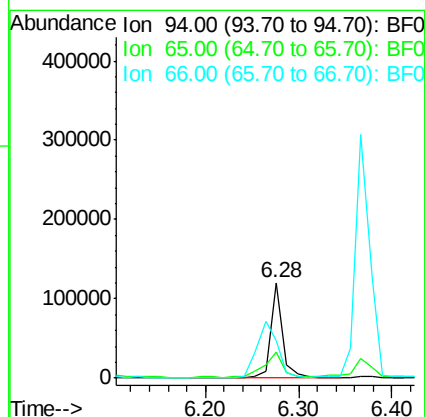
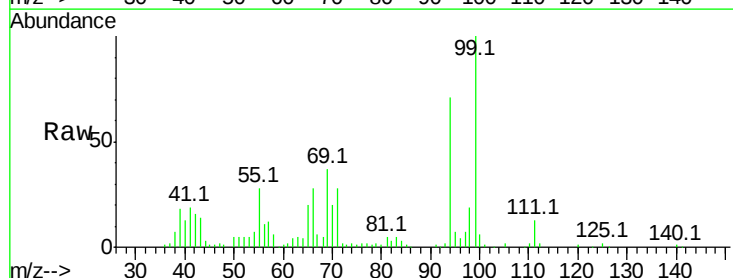
Tgt Ion: 94 Resp: 109552

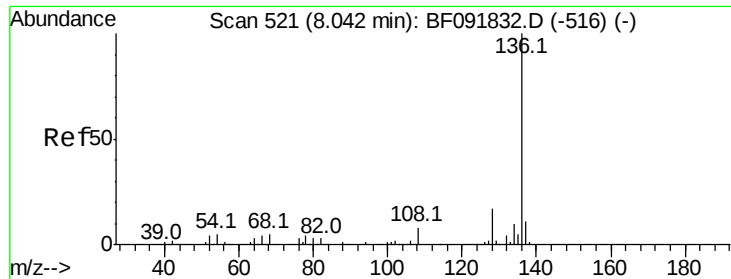
Ion Ratio Lower Upper

94 100

65 27.6 21.4 61.4

66 38.9 44.0 84.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 526

Delta R.T. -0.03 min

Lab File: BF092237.D

Acq: 13 Jan 2017 6:12

Instrument :

BNA_F

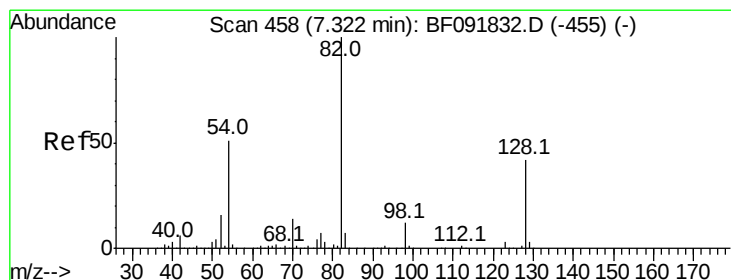
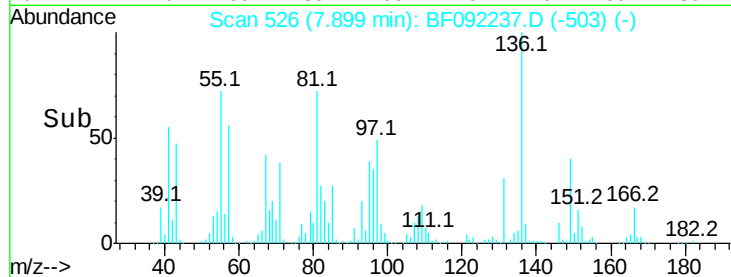
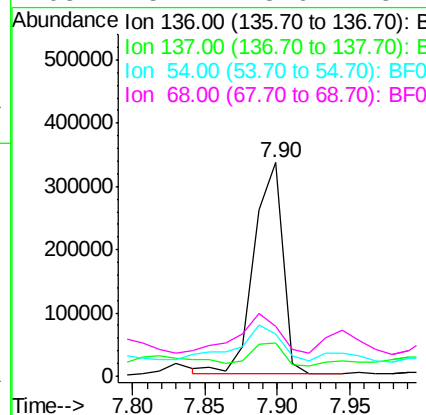
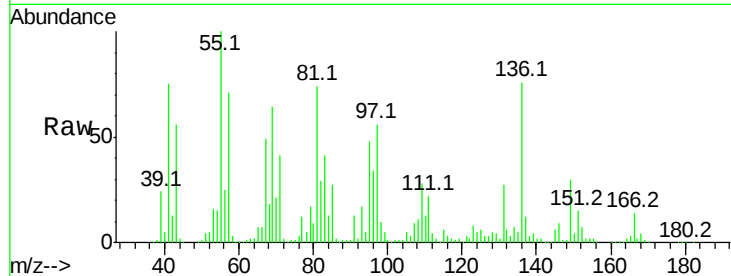
ClientSampleId :

P-17-11117

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	15.7	8.4	12.6#	
54	19.7	4.5	6.7#	
68	23.7	3.6	5.4#	

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#23

Nitrobenzene-d5

Concen: 112.24 ng

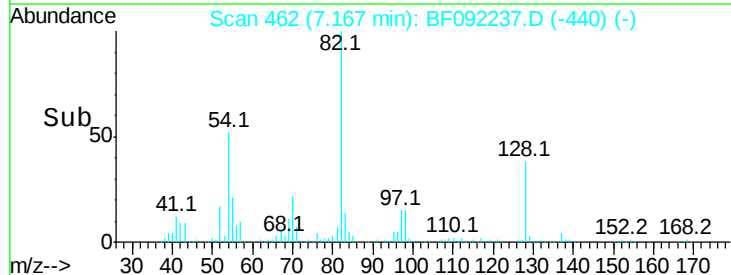
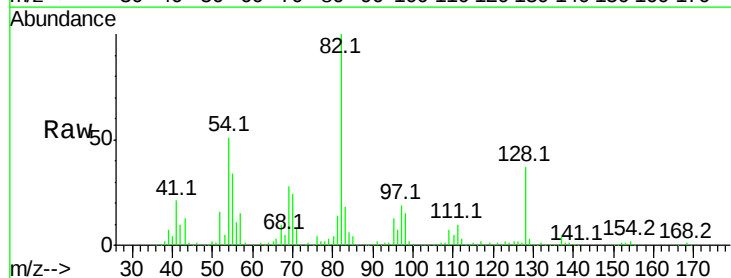
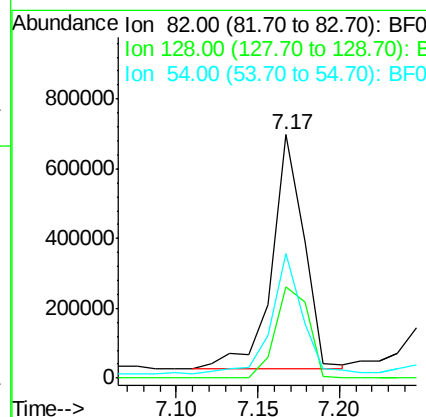
RT: 7.17 min Scan# 462

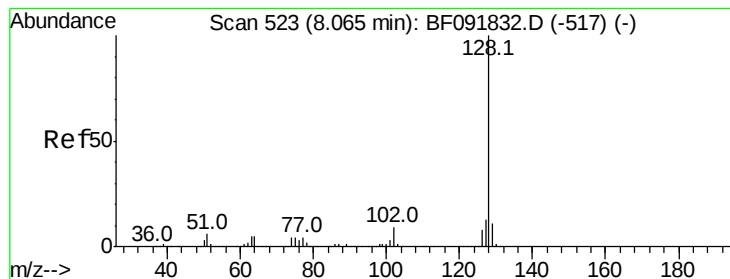
Delta R.T. -0.05 min

Lab File: BF092237.D

Acq: 13 Jan 2017 6:12

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	37.3	34.6	52.0	
54	51.0	39.5	59.3	





#31

Naphthalene

Concen: 8.51 ng

RT: 7.91 min Scan# 527

Delta R.T. -0.05 min

Lab File: BF092237.D

Acq: 13 Jan 2017 6:12

Instrument :

BNA_F

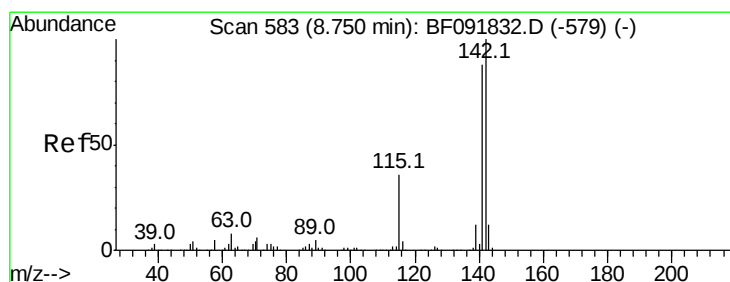
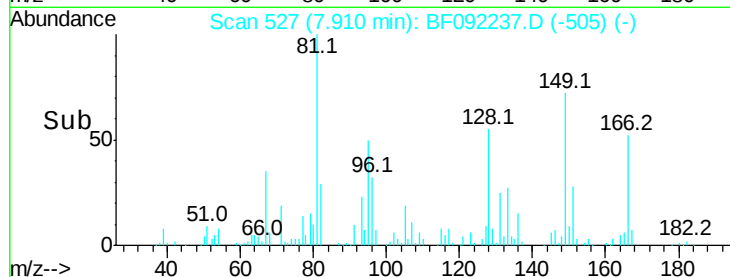
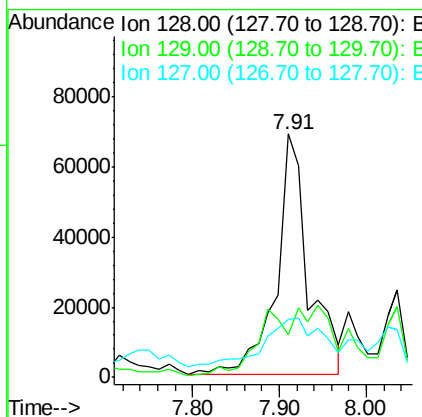
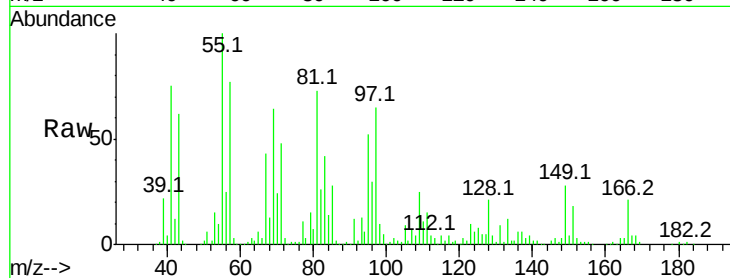
ClientSampled :

P-17-11117

Tot Ion:128	Resp:	177967
Ion Ratio	Lower	Upper
128 100		
129 17.4	9.5	14.3#
127 23.9	10.8	16.2#

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#37

2-Methylnaphthalene

Concen: 8.33 ng

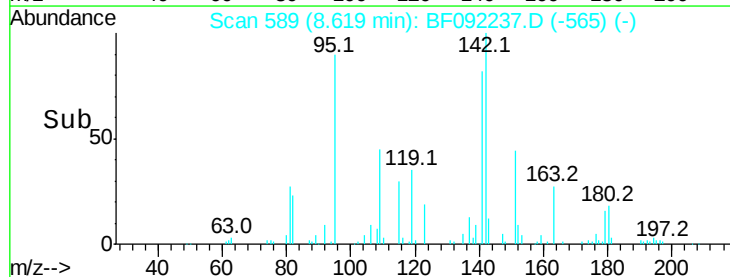
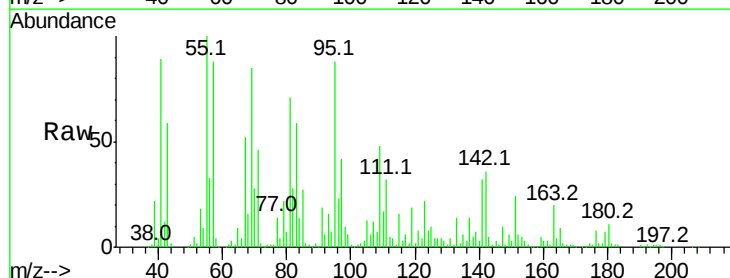
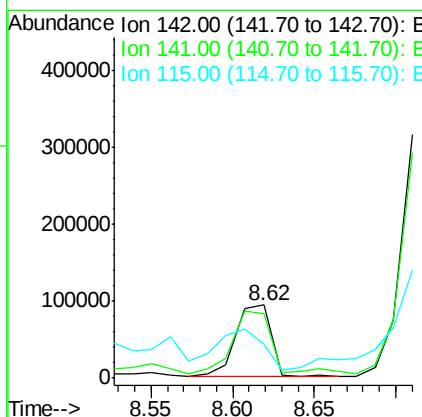
RT: 8.62 min Scan# 589

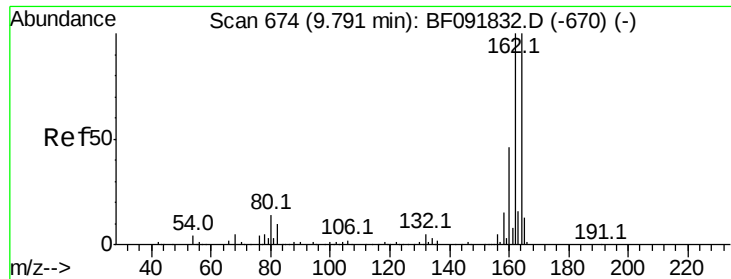
Delta R.T. -0.02 min

Lab File: BF092237.D

Acq: 13 Jan 2017 6:12

Tgt Ion:142	Resp:	140848
Ion Ratio	Lower	Upper
142 100		
141 89.2	71.0	106.6
115 46.0	28.3	42.5#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.65 min Scan# 679

Delta R.T. -0.03 min

Lab File: BF092237.D

Acq: 13 Jan 2017 6:12

Instrument :

BNA_F

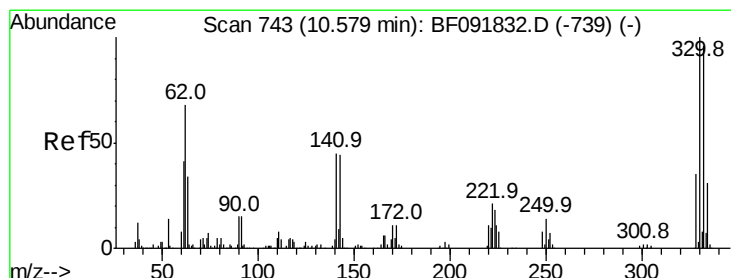
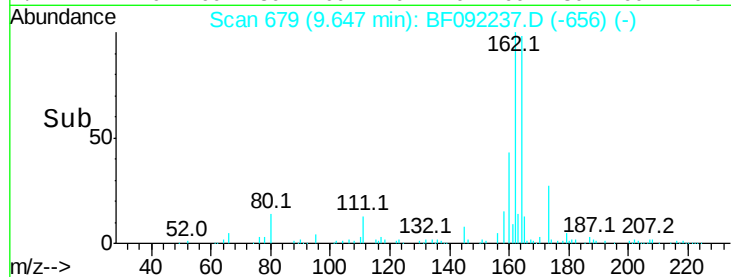
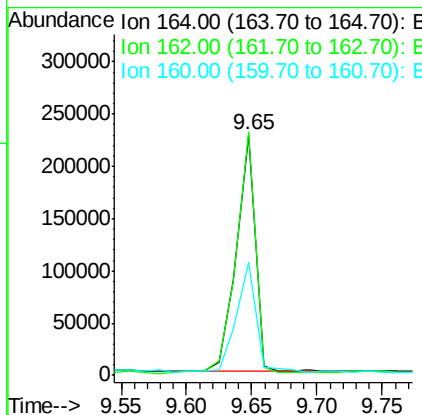
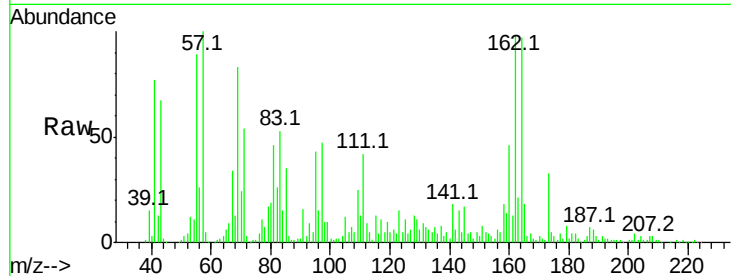
ClientSampleId :

P-17-11117

Tot Ion:	164	Resp:	227725
Ion Ratio	Lower	Upper	
164	100		
162	101.4	80.2	120.2
160	46.9	36.9	55.3

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#41

2,4,6-Tribromophenol

Concen: 128.71 ng

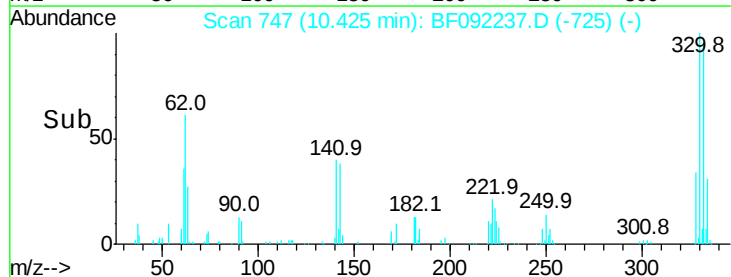
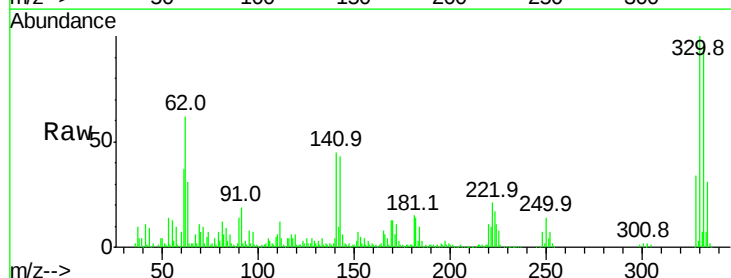
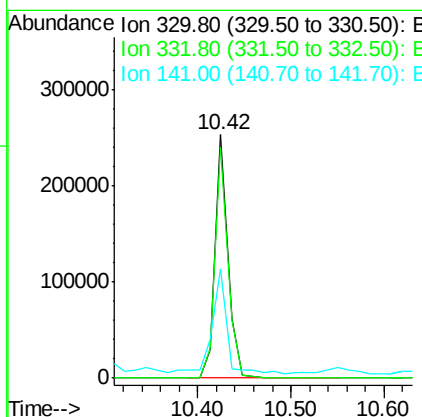
RT: 10.42 min Scan# 747

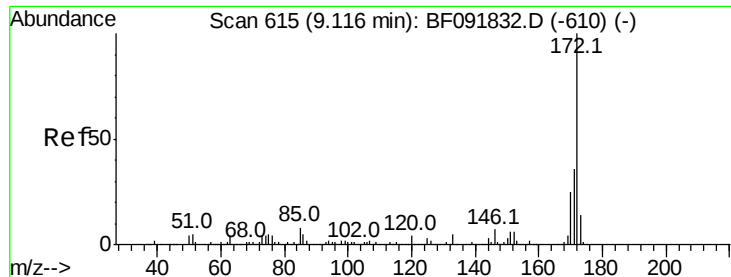
Delta R.T. -0.05 min

Lab File: BF092237.D

Acq: 13 Jan 2017 6:12

Tgt Ion:	330	Resp:	242567
Ion Ratio	Lower	Upper	
330	100		
332	95.8	77.4	116.2
141	46.6	34.1	51.1





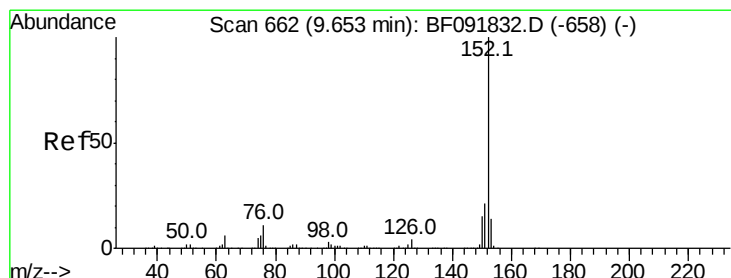
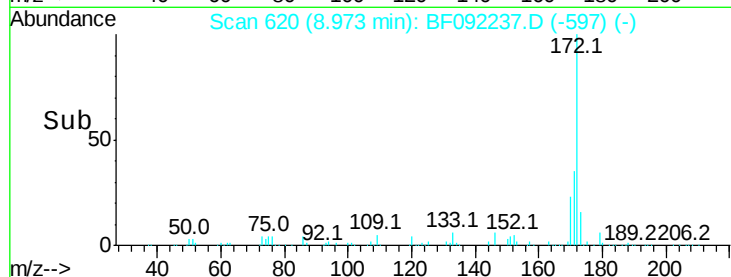
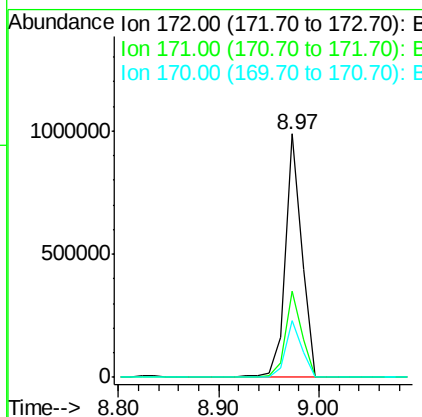
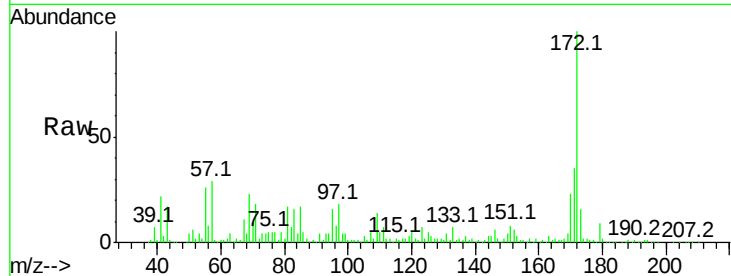
#44
2-Fluorobiphenyl
Concen: 103.39 ng
RT: 8.97 min Scan# 620
Delta R.T. -0.03 min
Lab File: BF092237.D
Acq: 13 Jan 2017 6:12

Instrument :
BNA_F
ClientSampled :
P-17-11117

Tot Ion:172 Resp: 1118094
Ion Ratio Lower Upper
172 100
171 35.1 29.4 44.0
170 23.4 20.2 30.4

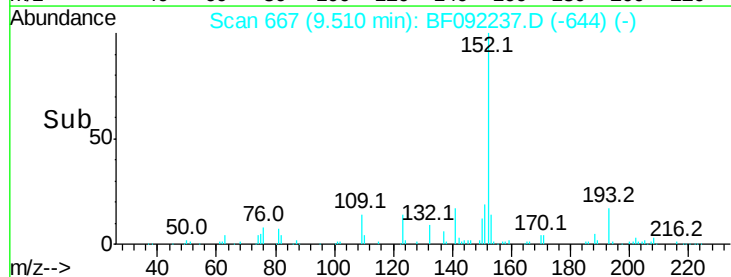
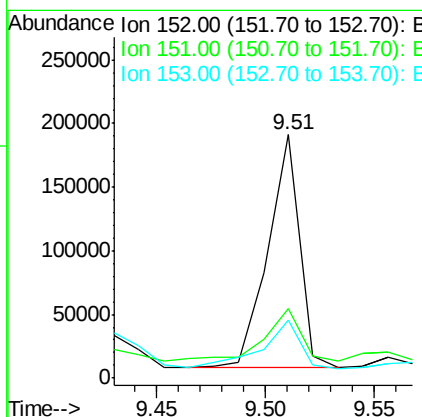
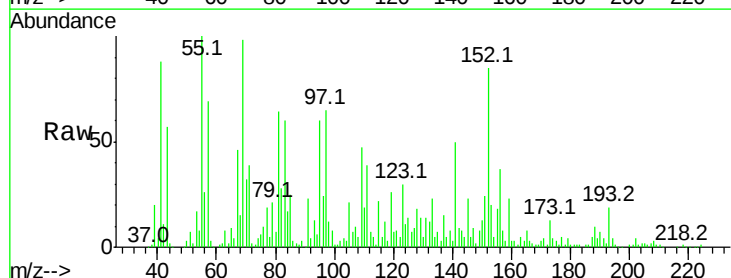
Manual Integrations
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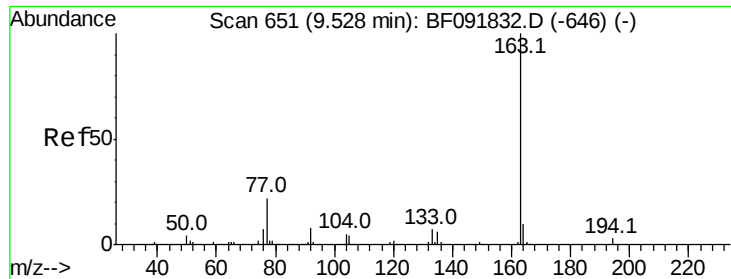
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#48
Acenaphthylene
Concen: 9.86 ng
RT: 9.51 min Scan# 667
Delta R.T. -0.03 min
Lab File: BF092237.D
Acq: 13 Jan 2017 6:12

Tgt Ion:152 Resp: 187230
Ion Ratio Lower Upper
152 100
151 28.7 16.9 25.3#
153 23.7 11.4 17.2#





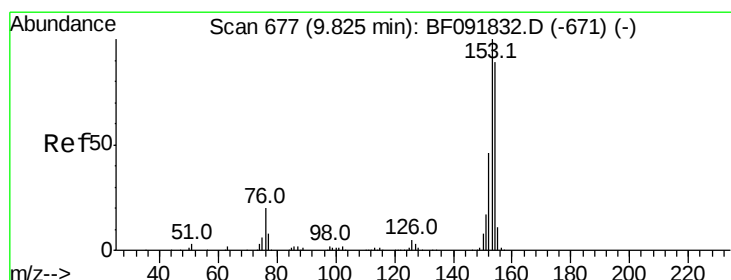
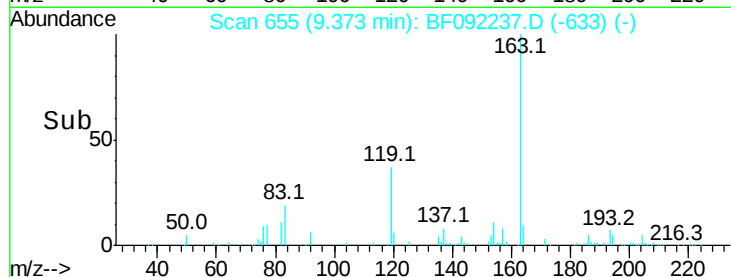
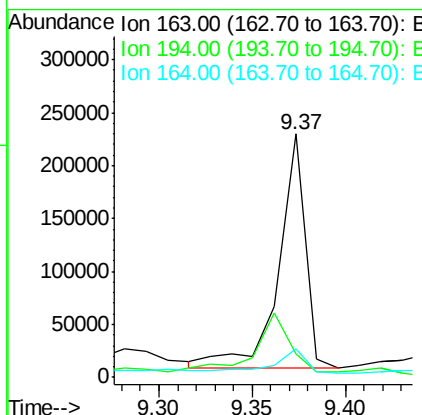
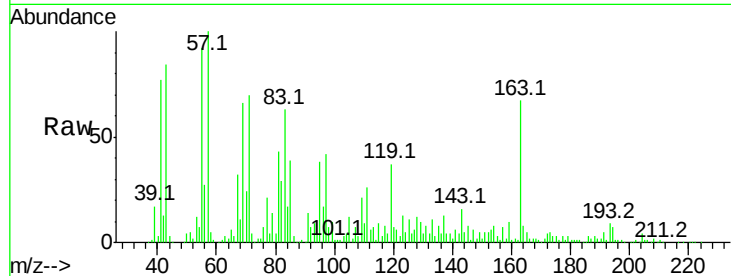
#49
Dimethylphthalate
Concen: 15.30 ng
RT: 9.37 min Scan# 655
Delta R.T. -0.05 min
Lab File: BF092237.D
Acq: 13 Jan 2017 6:12

Instrument :
BNA_F
ClientSampleId :
P-17-11117

Tot Ion	Ratio	Resp	Lower	Upper
163	100	222871		
194	9.8	3.0	4.4#	
164	11.7	8.0	12.0	

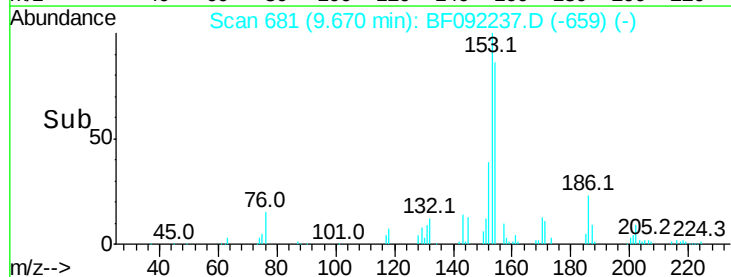
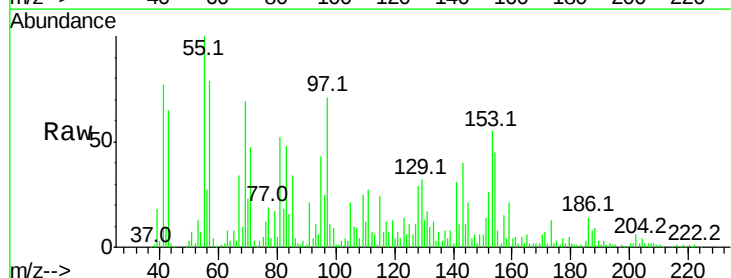
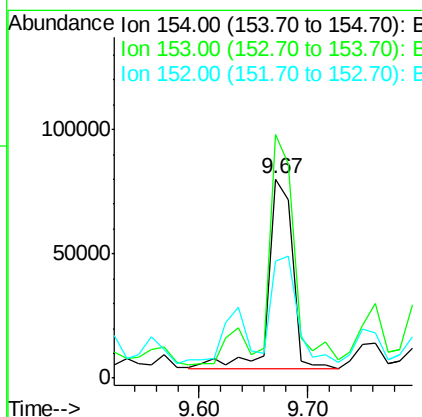
Manual Integrations
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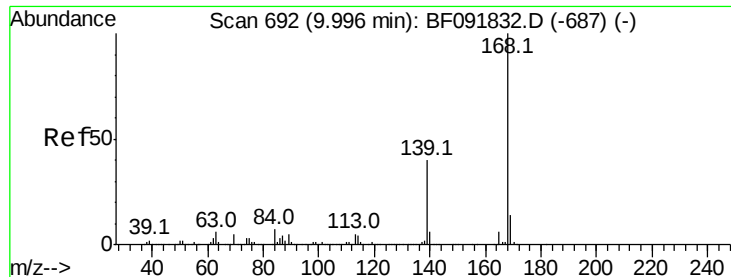
Sohil
1/13/2017 11:07:23 AM



#51
Acenaphthene
Concen: 9.06 ng
RT: 9.67 min Scan# 681
Delta R.T. -0.05 min
Lab File: BF092237.D
Acq: 13 Jan 2017 6:12

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	116662		
153	122.2	88.6	133.0	
152	58.7	41.6	62.4	





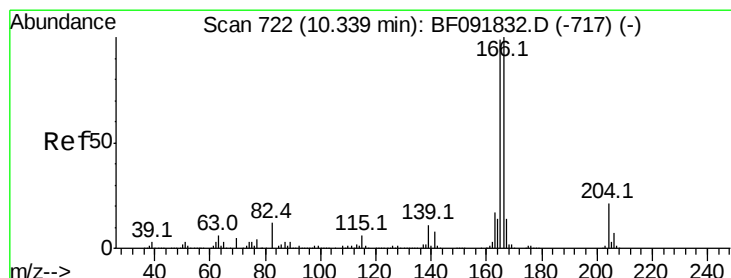
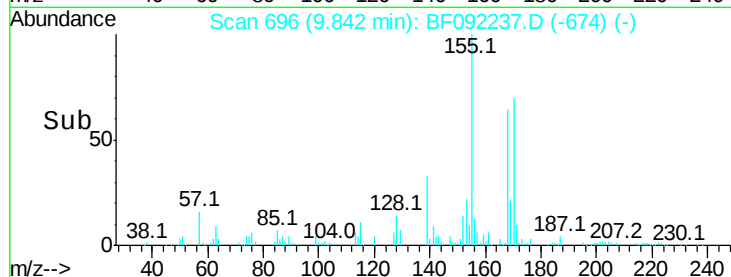
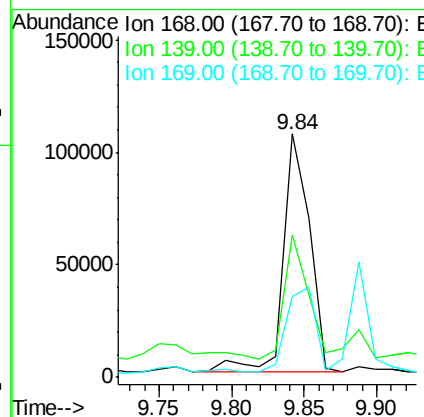
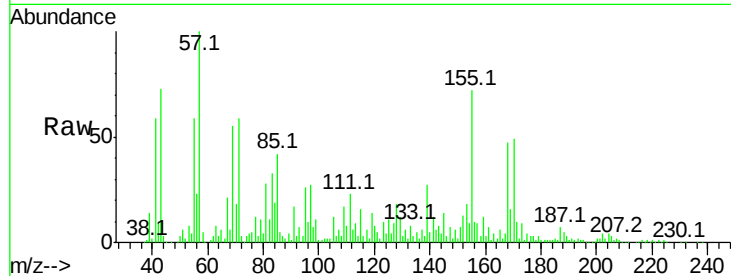
#54
Dibenzofuran
Concen: 7.74 ng
RT: 9.84 min Scan# 696
Delta R.T. -0.05 min
Lab File: BF092237.D
Acq: 13 Jan 2017 6:12

Instrument :
BNA_F
ClientSampleId :
P-17-11117

Tot Ion	Ratio	Resp Lower	Upper
168	100		
139	58.5	32.6	49.0#
169	33.4	11.3	16.9#

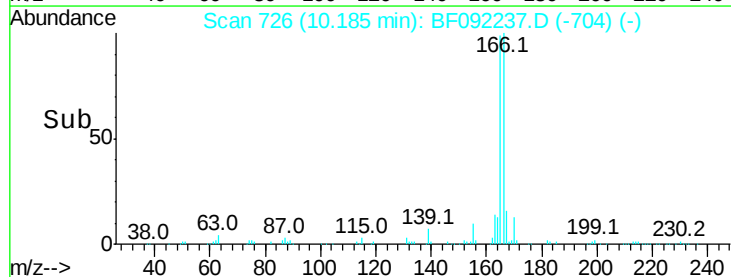
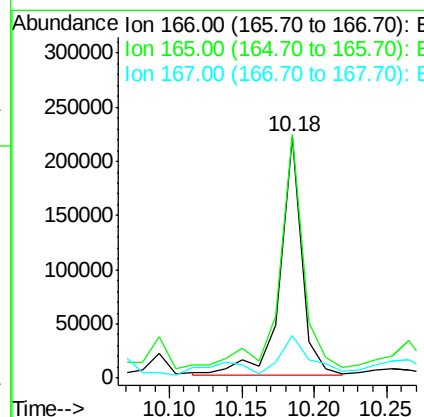
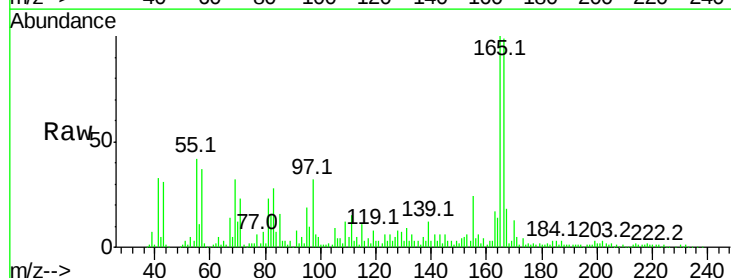
Manual Integrations
APPROVED

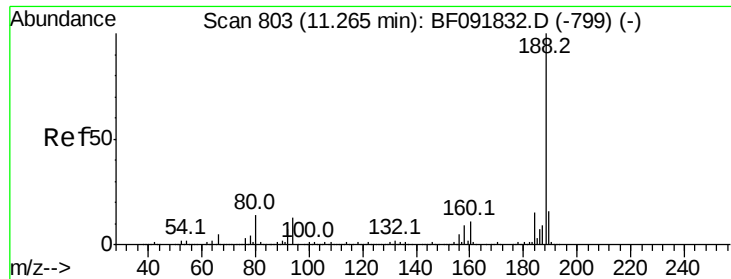
Sohil
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#57
Fluorene
Concen: 18.08 ng
RT: 10.18 min Scan# 726
Delta R.T. -0.05 min
Lab File: BF092237.D
Acq: 13 Jan 2017 6:12

Tgt Ion	Ratio	Resp Lower	Upper
166	100		
165	100.7	77.8	116.8
167	17.6	10.8	16.2#





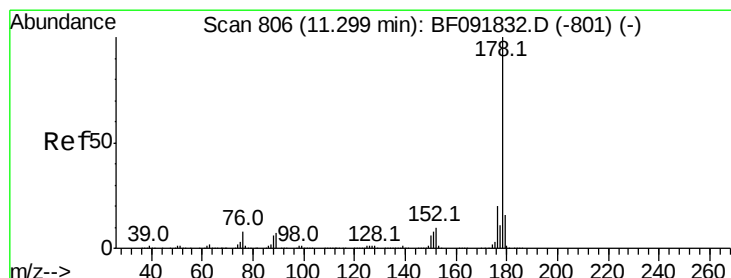
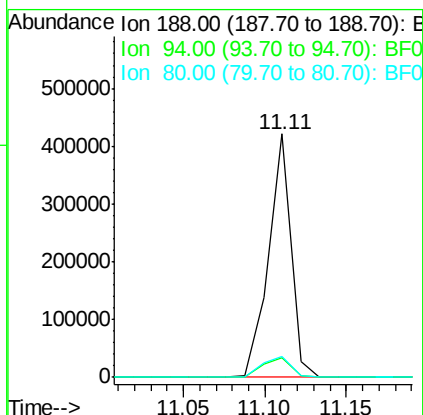
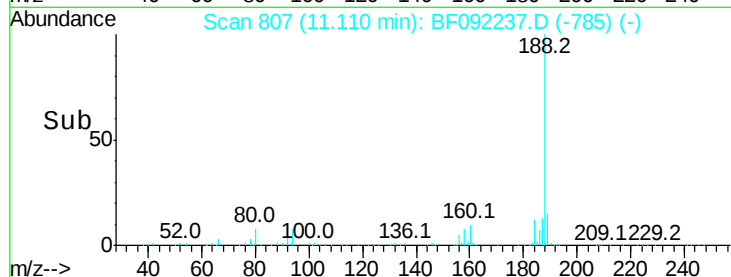
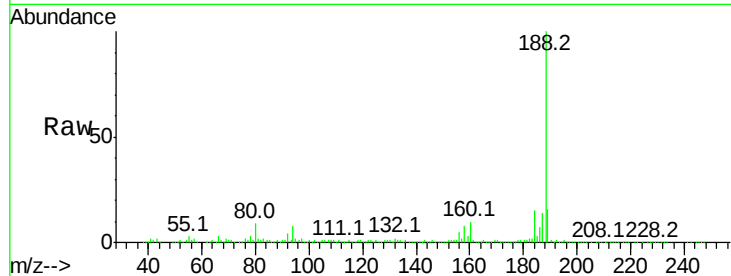
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.11 min Scan# 807
Delta R.T. -0.05 min
Lab File: BF092237.D
Acq: 13 Jan 2017 6:12

Instrument :
BNA_F
ClientSampled :
P-17-11117

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	7.9	10.0	15.0#	
80	8.7	11.2	16.8#	

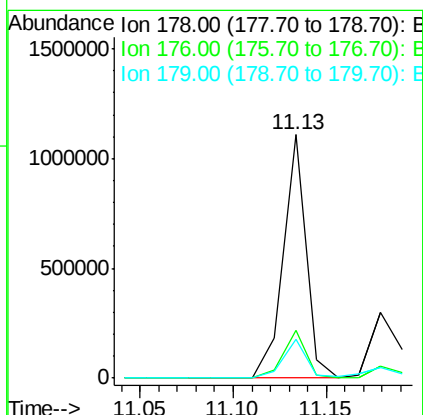
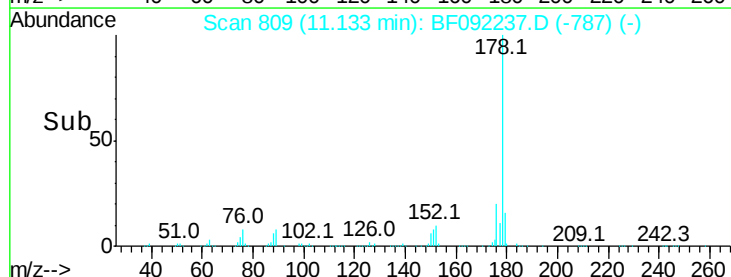
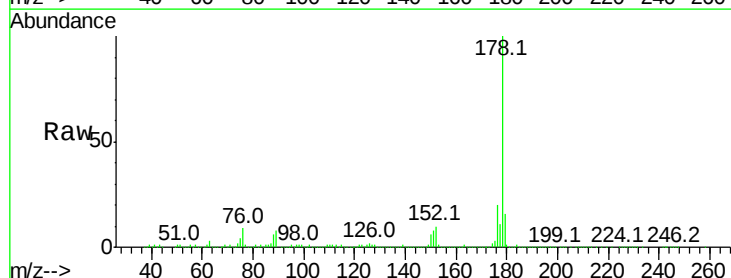
Manual Integrations
APPROVED

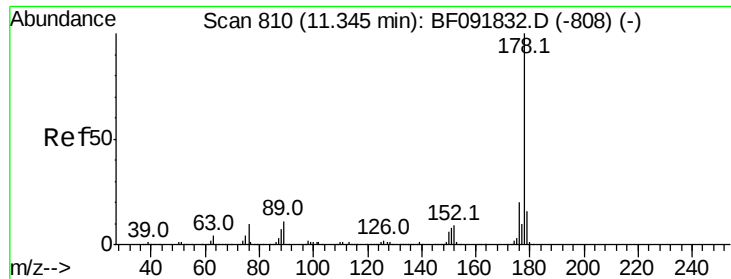
Sohil
1/13/2017 11:07:23 AM



#70
Phenanthrene
Concen: 43.14 ng
RT: 11.13 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF092237.D
Acq: 13 Jan 2017 6:12

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	19.6	16.6	25.0	
179	15.7	12.8	19.2	





#71

Anthracene

Concen: 12.13 ng

RT: 11.18 min Scan# 813

Delta R.T. -0.06 min

Lab File: BF092237.D

Acq: 13 Jan 2017 6:12

Instrument :

BNA_F

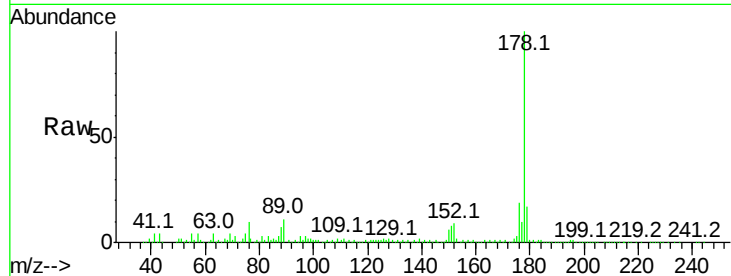
ClientSampled :

P-17-11117

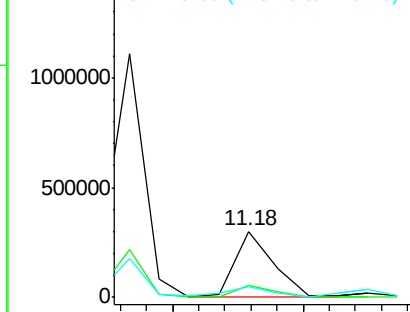
Tot Ion:	178	Resp:	302476
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.9	23.9
179	16.7	13.2	19.8

Manual Integrations
APPROVED

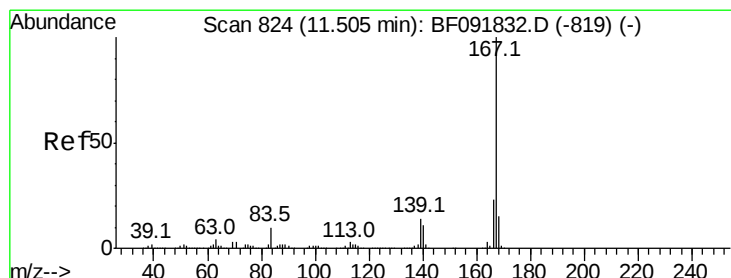
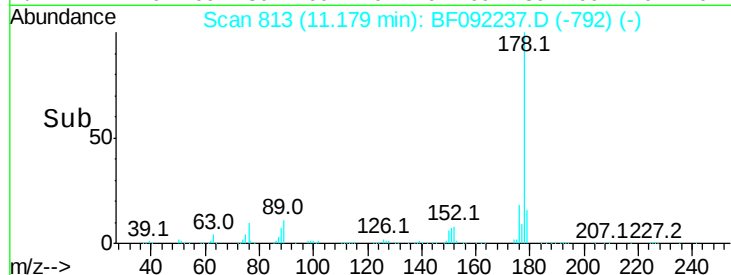
Sohil
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->



#72

Carbazole

Concen: 12.35 ng

RT: 11.35 min Scan# 828

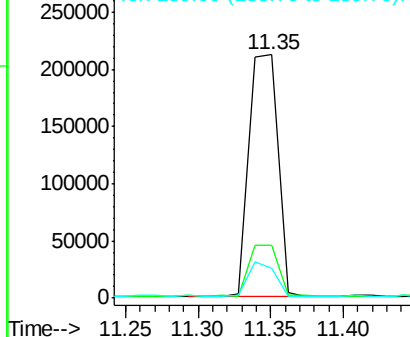
Delta R.T. -0.05 min

Lab File: BF092237.D

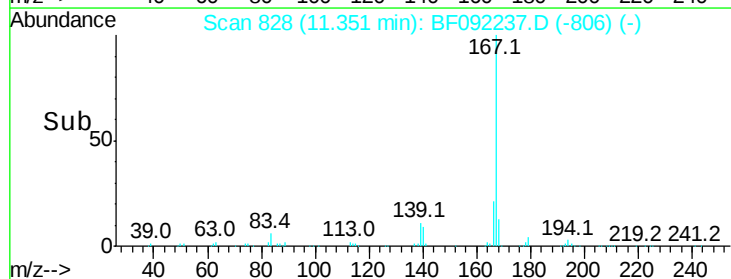
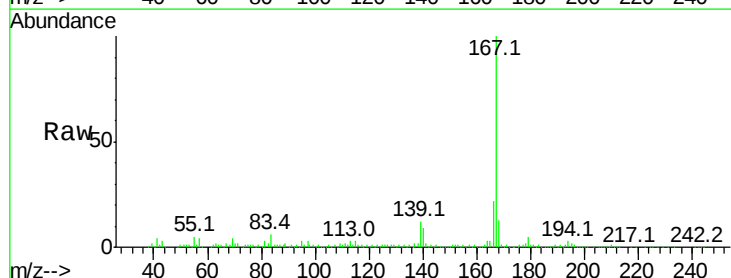
Acq: 13 Jan 2017 6:12

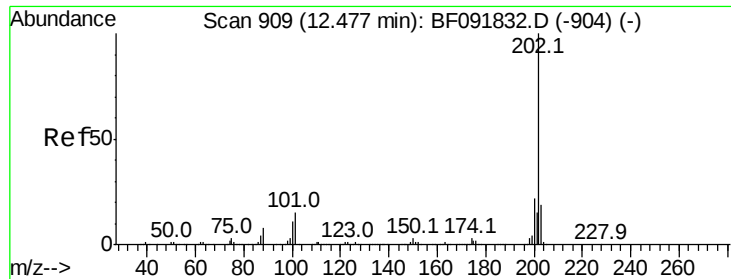
Tgt Ion:	167	Resp:	293712
Ion Ratio	Lower	Upper	
167	100		
166	21.7	18.2	27.2
139	12.0	11.4	17.2

Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



Time-->





#74

Fluoranthene

Concen: 55.27 ng

RT: 12.32 min Scan# 913

Delta R.T. -0.05 min

Lab File: BF092237.D

Acq: 13 Jan 2017 6:12

Instrument :

BNA_F

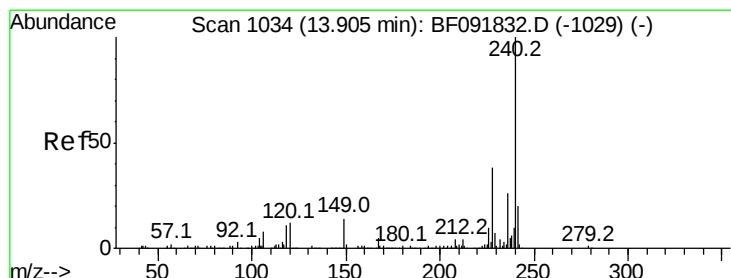
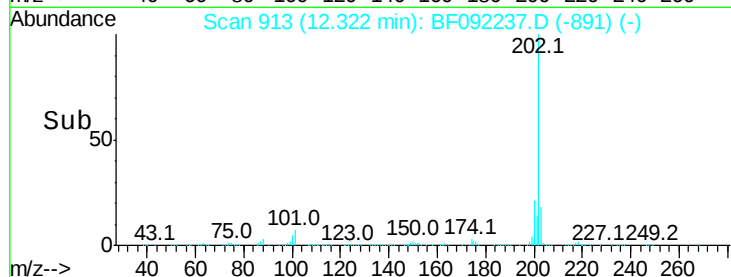
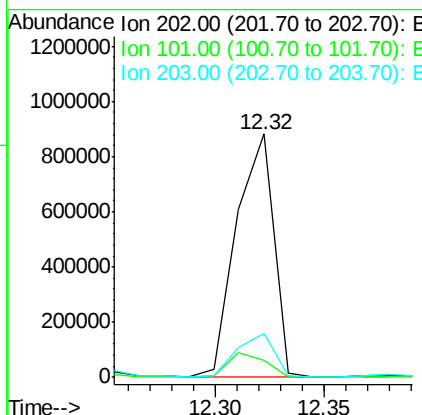
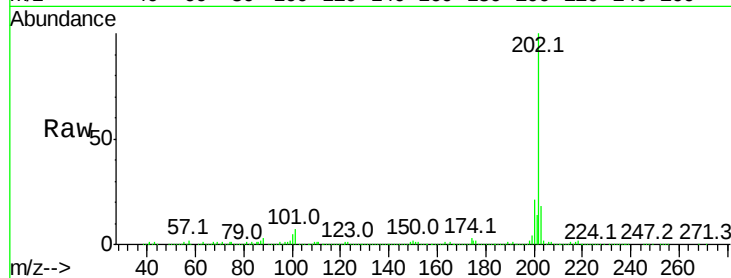
ClientSampled :

P-17-11117

Tot Ion:	202	Resp:	1046429
Ion Ratio	Lower	Upper	
202	100		
101	6.9	0.0	34.6
203	17.9	0.0	38.7

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

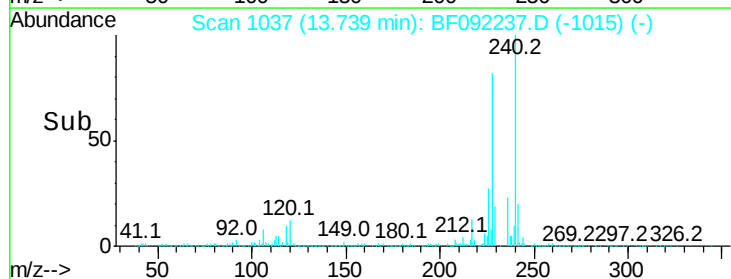
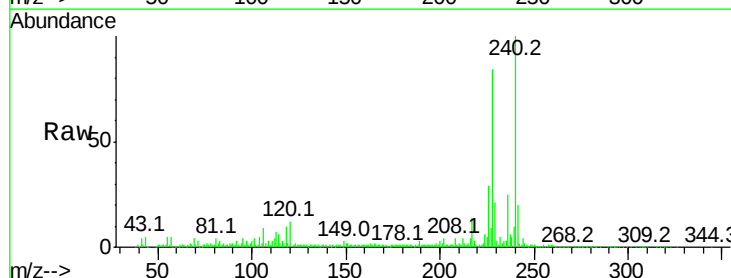
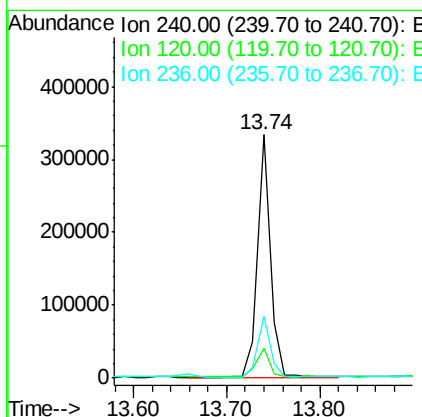
RT: 13.74 min Scan# 1037

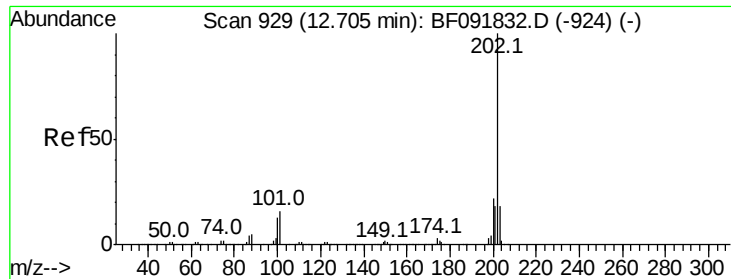
Delta R.T. -0.05 min

Lab File: BF092237.D

Acq: 13 Jan 2017 6:12

Tgt Ion:	240	Resp:	323231
Ion Ratio	Lower	Upper	
240	100		
120	12.1	12.9	19.3#
236	25.2	20.9	31.3





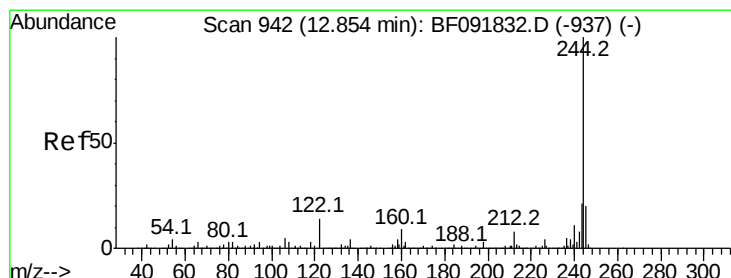
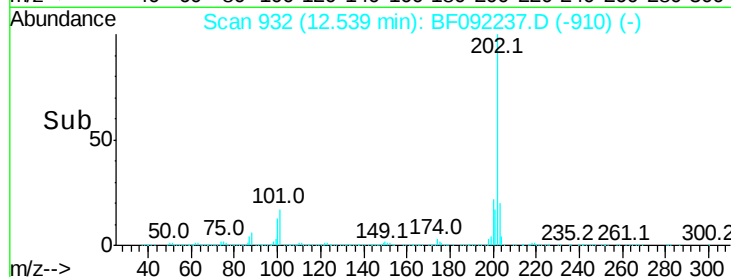
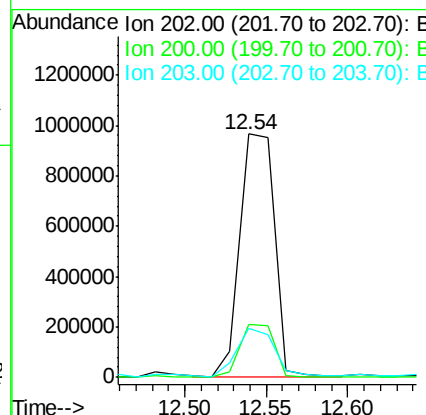
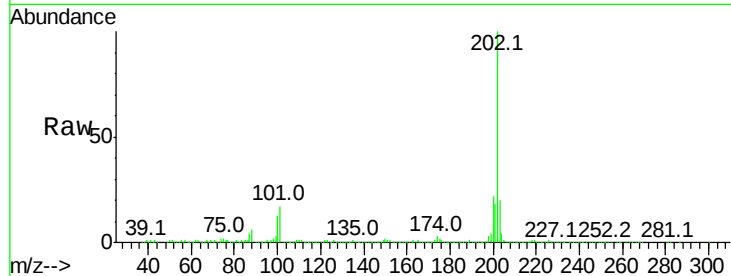
#77
Pvrene
Concen: 59.31 ng
RT: 12.54 min Scan# 932
Delta R.T. -0.05 min
Lab File: BF092237.D
Acq: 13 Jan 2017 6:12

Instrument :
BNA_F
ClientSampleId :
P-17-11117

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.7	26.5
203	20.3	14.7	22.1

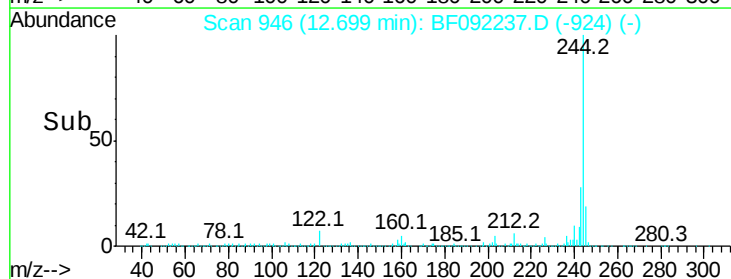
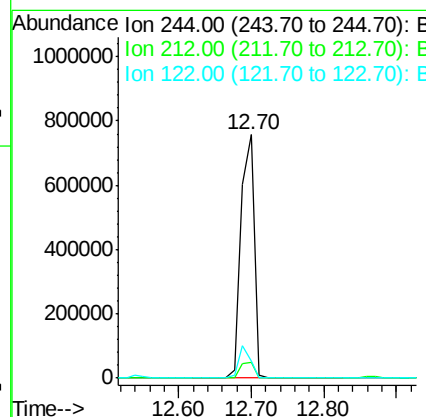
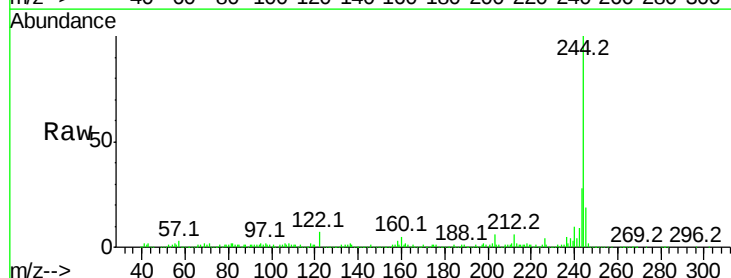
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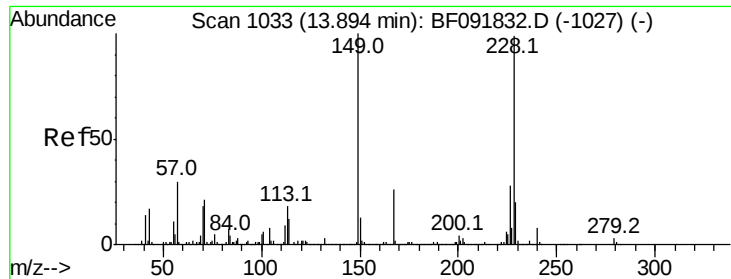
Sohil
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#78
Terphenyl-d14
Concen: 72.45 ng
RT: 12.70 min Scan# 946
Delta R.T. -0.05 min
Lab File: BF092237.D
Acq: 13 Jan 2017 6:12

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	6.2	9.2
122	6.9	11.4	17.2





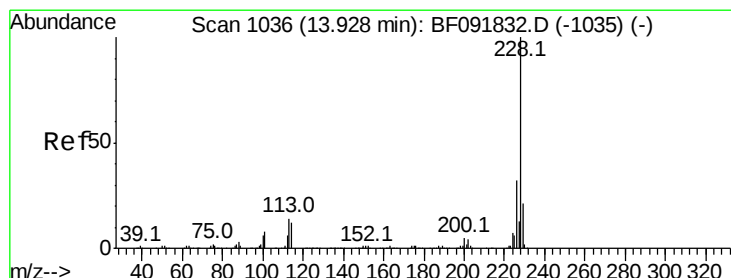
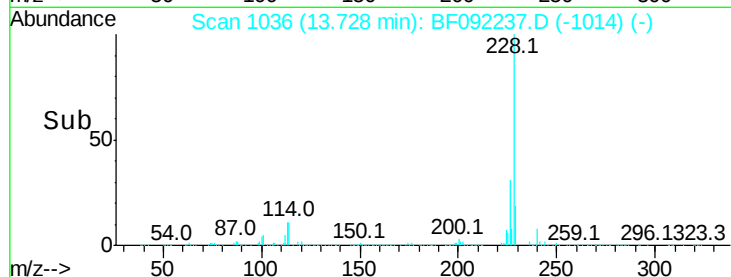
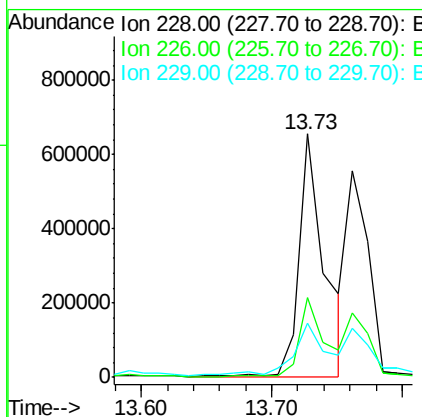
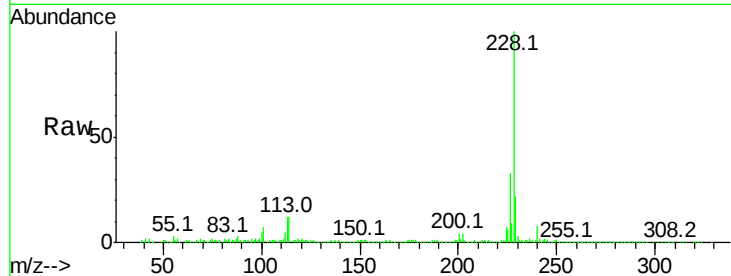
#80
Benzo(a)anthracene
Concen: 48.30 ng
RT: 13.73 min Scan# 1036
Delta R.T. -0.05 min
Lab File: BF092237.D
Acq: 13 Jan 2017 6:12

Instrument :
BNA_F
ClientSampleId :
P-17-11117

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.7	22.4	33.6
229	22.3	16.2	24.4

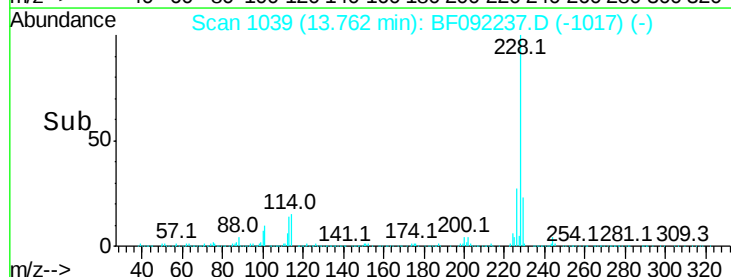
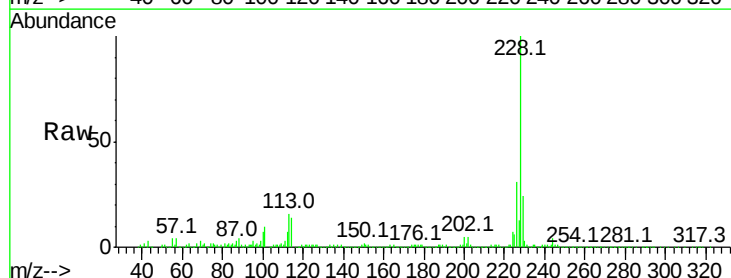
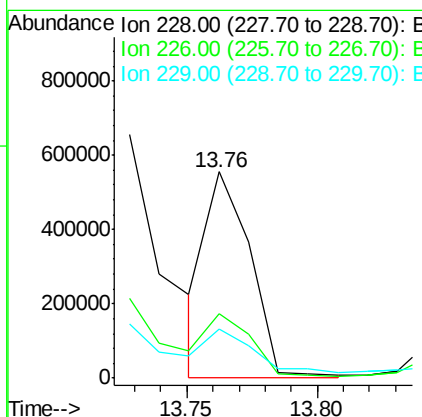
Manual Integrations
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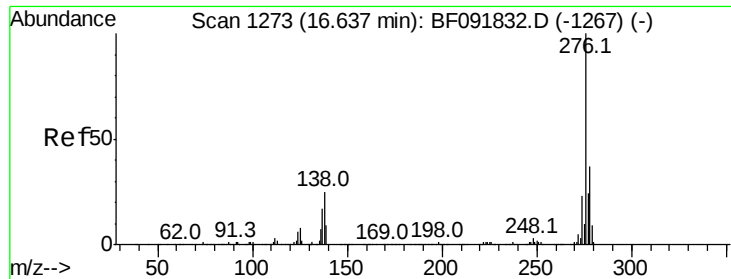
Sohil
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#82
Chrysene
Concen: 35.36 ng
RT: 13.76 min Scan# 1039
Delta R.T. -0.05 min
Lab File: BF092237.D
Acq: 13 Jan 2017 6:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.4	38.0
229	24.0	16.2	24.2





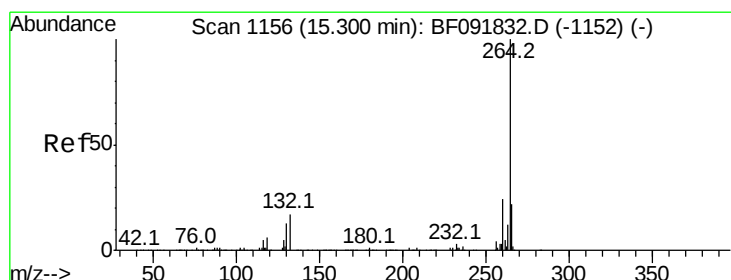
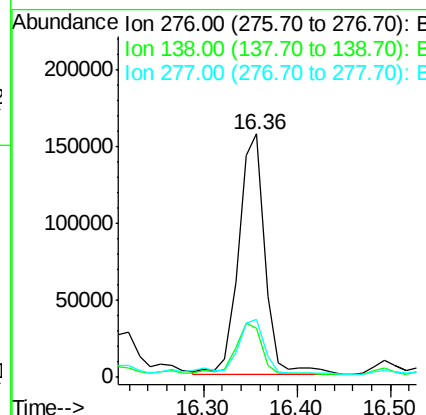
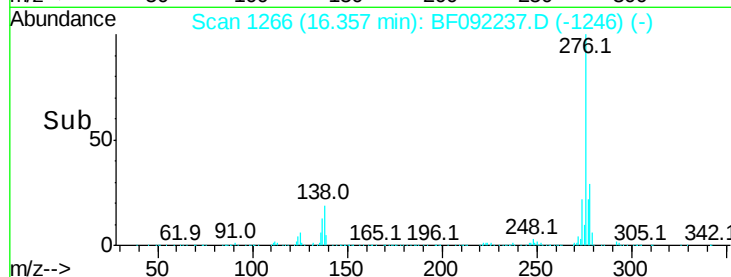
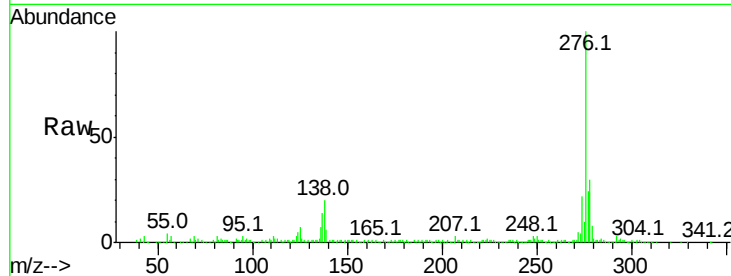
#85
Indeno(1,2,3-cd)pyrene
Concen: 19.38 ng
RT: 16.36 min Scan# 1266
Delta R.T. -0.07 min
Lab File: BF092237.D
Acq: 13 Jan 2017 6:12

Instrument :
BNA_F
ClientSampleId :
P-17-11117

Tot Ion	Ratio	Resp	Lower	Upper
276	100	307292		
138	19.8	21.8	32.6#	
277	27.0	20.2	30.4	

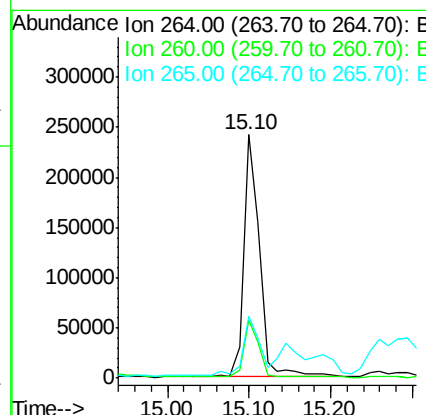
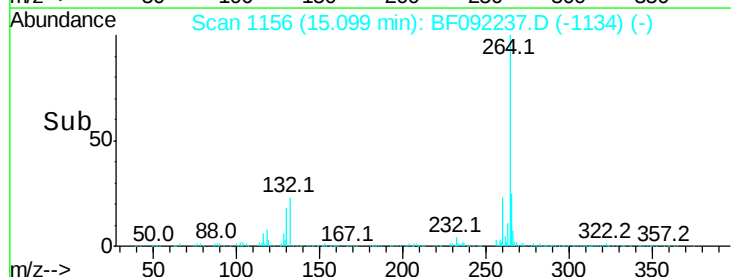
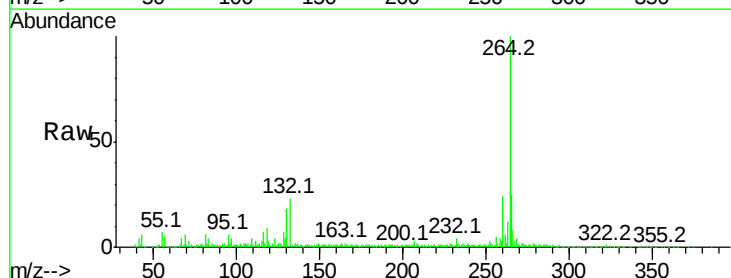
Manual Integrations
APPROVED

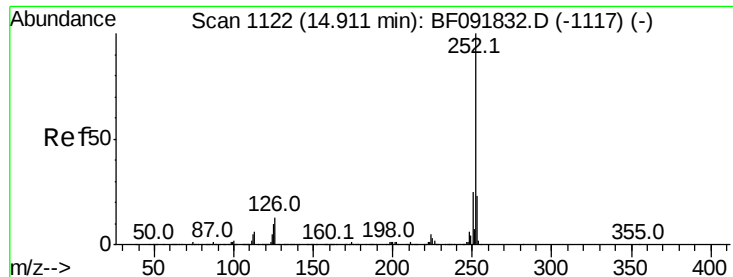
Sohil
1/13/2017 11:07:23 AM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.10 min Scan# 1156
Delta R.T. -0.05 min
Lab File: BF092237.D
Acq: 13 Jan 2017 6:12

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	325019		
260	23.6	19.2	28.8	
265	25.5	17.4	26.0	





#87

Benzo(b)fluoranthene

Concen: 37.60 ng m

RT: 14.73 min Scan# 1124

Delta R.T. -0.05 min

Lab File: BF092237.D

Acq: 13 Jan 2017 6:12

Instrument :

BNA_F

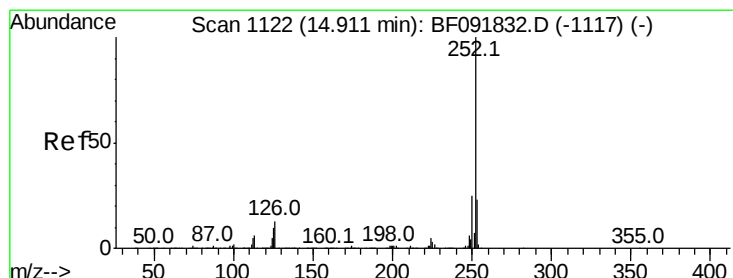
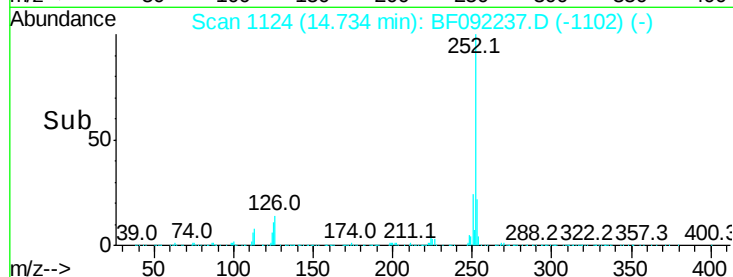
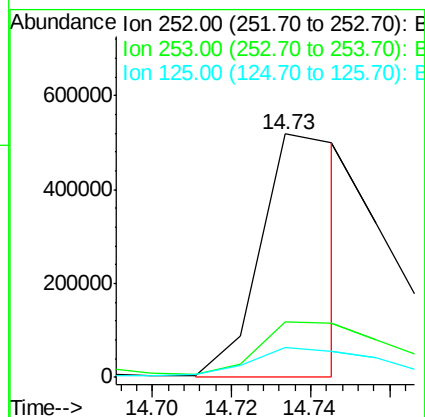
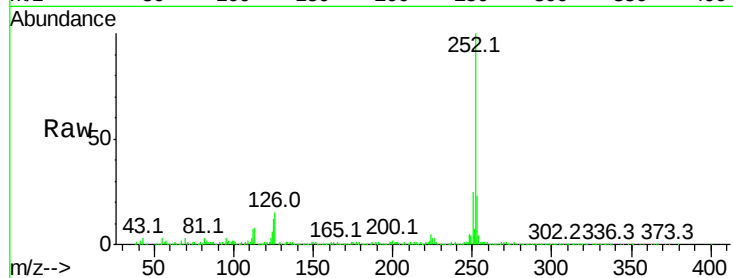
ClientSampleId :

P-17-11117

Tot Ion:	252	Resp:	760827
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.2	27.4
125	12.3	9.8	14.6

Manual Integrations
APPROVED

Sohil
1/13/2017 11:07:23 AM



#88

Benzo(k)fluoranthene

Concen: 20.20 ng m

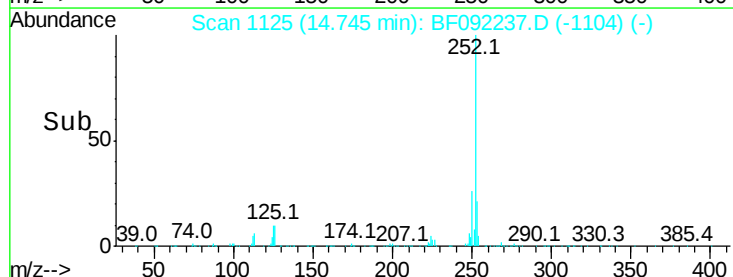
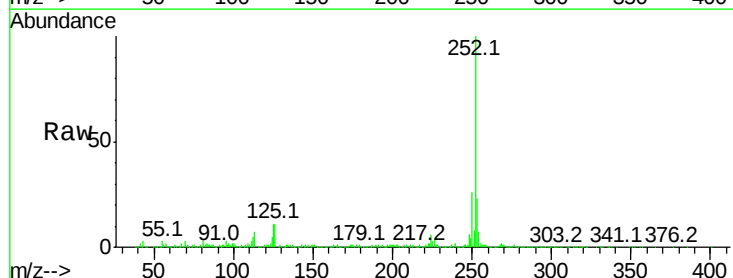
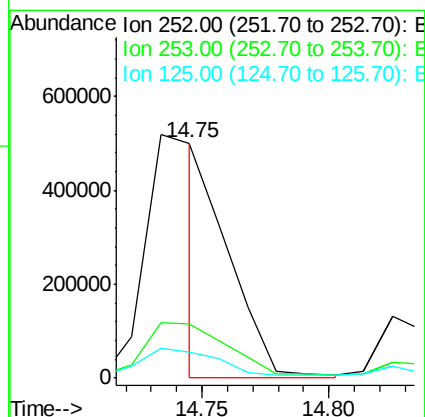
RT: 14.75 min Scan# 1125

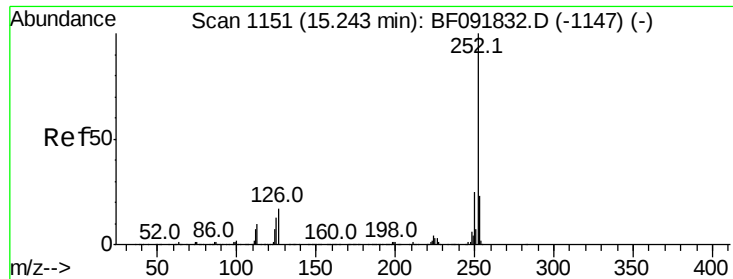
Delta R.T. -0.06 min

Lab File: BF092237.D

Acq: 13 Jan 2017 6:12

Tgt Ion:	252	Resp:	348591
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.5	27.7
125	10.9	8.9	13.3





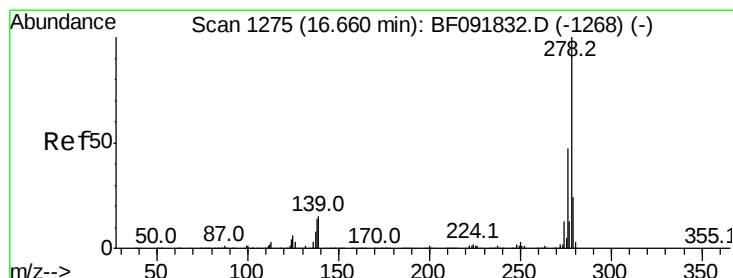
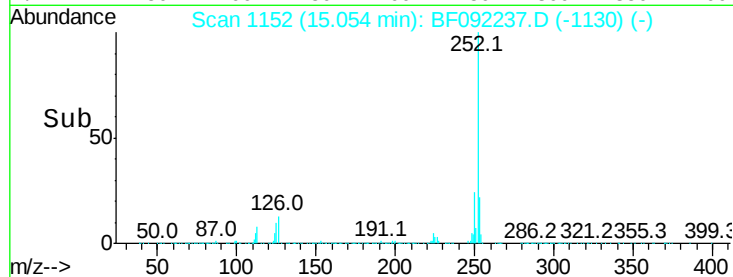
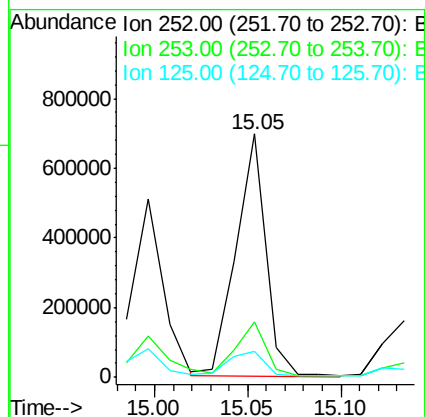
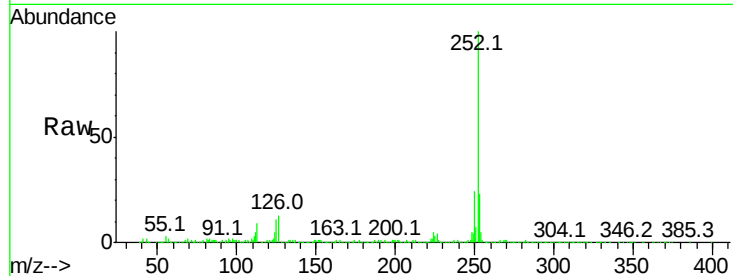
#89
Benzo(a)pyrene
Concen: 43.57 ng
RT: 15.05 min Scan# 1152
Delta R.T. -0.05 min
Lab File: BF092237.D
Acq: 13 Jan 2017 6:12

Instrument :
BNA_F
ClientSampleId :
P-17-11117

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	10.6	10.0	15.0

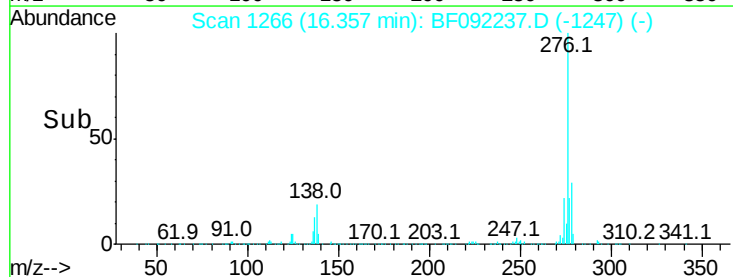
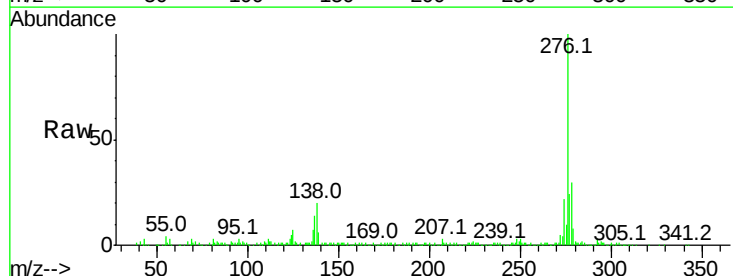
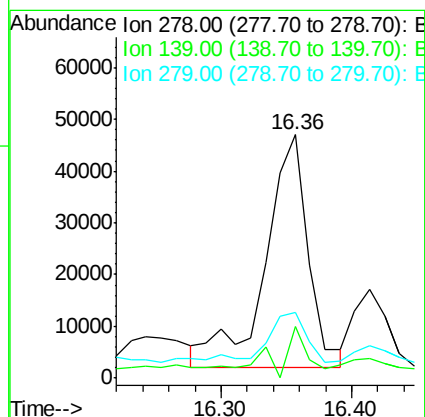
Manual Integrations
APPROVED

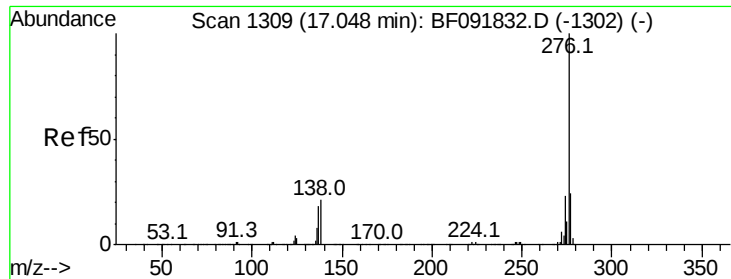
Sohil
1/13/2017 11:07:23 AM



#90
Dibenzo(a,h)anthracene
Concen: 7.08 ng
RT: 16.36 min Scan# 1266
Delta R.T. -0.08 min
Lab File: BF092237.D
Acq: 13 Jan 2017 6:12

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.0	14.8	22.2
279	27.0	19.8	29.6





#91
 Benzo(a,h,i)perylene
 Concen: 20.28 ng
 RT: 16.72 min Scan# 1298
 Delta R.T. -0.08 min
 Lab File: BF092237.D
 Acq: 13 Jan 2017 6:12

Instrument :
 BNA_F
 ClientSampleId :
 P-17-11117

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	25.0	19.2	28.8
138	21.8	16.0	24.0

Manual Integrations
 APPROVED

Sohil
 1/13/2017 11:07:23 AM

